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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/736,280	12/15/2000	Jung-Ki Kim	06192.0172.NUS00	8129

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11/06/2002

McGuire Woods LLP
11750 Tysons Boulevard
Suite 1800
McLean, VA 22102

EXAMINER

AKKAPEDDI, PRASAD R

ART UNIT

PAPER NUMBER

2871

DATE MAILED: 11/06/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/736,280

Applicant(s)

KIM, JUNG-KI

Examiner

Prasad R Akkapeddi

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☒ Claim(s) 2 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15 December 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Drawings

1. The drawings filed on 12/15/2000 are acceptable subject to correction of the informalities indicated on the attached "Notice of Draftperson's Patent Drawing Review," PTO-948. In order to avoid abandonment of this application, correction is required in reply to the Office action. The correction will not be held in abeyance.

Specification

1. The disclosure is objected to because of the following informalities: On page 7, line 4, the side plate is identified as item 22, whereas on page 7, line 6, item 22 is identified as the lower plate. What is the correct designation?

Appropriate correction is required.

Claim Objections

2. Claim 2 is objected to because of the following informalities: On Page 16, line 1 correct the sentence 'said upper, side and lower plates' and on page 16, line 8; change 'prevented from being contact said lower surface' with correct grammar. Appropriate correction is required.

Claim 4 is objected to because of the following informalities: The last sentence has too many gaps between the words. Appropriate correction is required.

Claim Rejections - 35 USC § 112

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

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4. Claim 2 recites the limitation "said upper, side" in 2. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

6. Claims 1-4 are rejected under 35 U.S.C. 102(e) as being anticipated by Lee et al. (Lee) (U.S. Patent No. 6,295,105).

As to claim 1: Lee discloses a liquid crystal display module (Fig. 9) with a lamp (118) a lamp cover (124) which is bent once so as to define an upper plate and a side plate which covers an upper portion and side portion of the lamp with a lower portion of the lamp being opened (opening holes Col. 6, line 42), the lamp cover being arranged to reflect light produced from the lamp, a light guide plate (120) having an upper surface and a side surface corresponding to the

upper and side plates of the lamp cover. Lee discloses that the light guide plate (120) being arranged to a side of the lamp cover (124), the light guide plate receiving light produced from the lamp through the side surface thereof and transmitting light toward the upper surface. Lee also discloses a rear reflector plate (122) arranged at a lower surface of the light guide plate (120) which is extended toward the lower portion of the lamp, the rear reflector plate directing light toward upper surface of the light guide plate that is being leaked through the lower surface of the light guide plate (Fig. 9).

As to claim 2: Lee discloses a liquid crystal display module (Fig. 9) with a lamp (118) a lamp cover (124) which is bent twice so as to define an upper plate, a side plate, and a lower plate which covers an upper portion and side portion of the lamp, the lamp cover (124) being arranged to reflect light produced from the lamp (118) a light guide plate (120) having an upper surface, a side surface and a lower surface corresponding to the upper plate, the side plate and lower plates of the lamp cover (124), the light guide plate (120) being arranged to a side of the lamp cover (124), the light guide plate (120) receiving light produced from the lamp (118) through the side surface and transmitting light toward the upper surface and a rear reflector plate (122) arranged at a lower surface of the light guide plate (120) which directs toward the upper surface of the light guide plate and light being leaked through the lower surface of the light guide plate (120).

“The lower plate of the lamp cover is prevented from being in contact with the lower surface of the light guide plate and the rear reflector plate is extended to the lower portion of the lamp.

As to claim 3: Lee discloses a liquid crystal display module (Fig. 9) with a lamp (118) a lamp cover (124) which is bent once so as to define an upper plate and a side plate which covers an upper portion and side portion of the lamp with a lower portion of the lamp being opened (opening holes Col. 6, line 42), the lamp cover being arranged to reflect light produced from the lamp, a light guide plate (120) having an upper surface and a side surface corresponding to the upper and side plates of the lamp cover. Lee discloses that the light guide plate (120) being arranged to a side of the lamp cover (124), the light guide plate receiving light produced from the lamp through the side surface thereof and transmitting light toward the upper surface.

Lee discloses a liquid crystal display panel (112) constituted by an upper panel (112a) and a lower panel (112b) having a liquid crystal (not shown) interposed, the liquid crystal display panel (112) being arranged at the upper surface of the light guide plate (120), a rear reflector plate (122) arranged at a lower surface of the light guide plate (120) which is extended toward the lower portion of the lamp (118), the rear reflector plate (122) directing light toward the upper surface of the light guide plate and light being leaked through the lower surface of the light guide plate. Lee also discloses a square mold frame (126 Col. 3, line 40 or 140 in Fig. 10) for accommodating the assembly of the lamp (118), lamp cover (124),

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á light guide plate (120), a rear reflector plate (122) and the liquid crystal display panel (112) and which has an open bottom surface (through the holes) so that the rear reflector plate is exposed to outside (Fig. 10), a back cover (124) arranged at a bottom surface of the lamp with the rear reflector plate interposed between the back cover and the bottom surface of the lamp, the back cover (124) being coupled at the bottom surface of the mold frame (126) and a square top chassis (130) coupled to the mold frame (126) in such a manner that the top chassis face the mold frame and the top chassis accommodating edges of the mold frame. Lee also discloses the back cover (124) has a light guide plate support member (136), (Col. 5, lines 42-43) which supports said light guide plate.

As to claim 4: Lee discloses that the support member (136) is made of a buffer member like a cushion that absorbs any impacts (Col. 5, lines 42-52) implying that the support member is made of non-rigid material.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Prasad R Akkapeddi whose telephone number is 703-305-4767. The examiner can normally be reached on 7:00AM to 5:30PM M-Th.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert H. Kim can be reached on 703-305-3492. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9318 for regular communications and 703-872-9319 for After Final communications.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0530.

PRA

October 31, 2002


ROBERT H. KIM
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800